Claims

- 1. A pigment, comprising
 - (A) optionally a layer consisting of a metal,
- 5 (B) at least one layer, which is located between the layers (A) and (C), if a layer (A) is present, and consists of the metal, silicon (Si) and oxygen (O), and
 - (C) optionally a layer consisting of SiO_z on layer (B), wherein $0.70 \le z \le 2.0$, especially $1.10 \le z \le 2.0$, more especially $1.40 \le z \le 2.0$.
- 10 2. A pigment according to claim 1, comprising
 - (B) at least one layer, which consists of the metal, silicon (Si) and oxygen (O), and
 - (C) at least one layer consisting of SiO_z on layer (B), wherein $0.70 \le z \le 2.0$, especially $1.10 \le z \le 2.0$, more especially $1.40 \le z \le 2.0$.
- 15 3. The pigment according to claim 1 or 2, comprising
 - (C1) a layer consisting of SiOz,
 - (B) at least one layer, which is located between the layers (C1) and (C2), and consists of the metal, silicon (Si) and oxygen (O),
 - (C2) at least one layer consisting of SiO_z on layer (B), wherein $0.70 \le z \le 2.0$,
- 20 especially $1.10 \le z \le 2.0$, more especially $1.40 \le z \le 2.0$.
 - 4. The pigment according to claim 3, comprising
 - (D) an additional layer of a material having a high index of refraction, especially TiO₂, amorphous carbon, diamond-like carbon, or silicon carbide.

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- 5. The pigment according to claim 4, comprising
 - (D1) a layer of a material having a high index of refraction, especially TiO2,
 - (C1) a layer consisting of SiOz,
- (B) at least one layer, which is located between the layers (C1) and (C2), and consists of the metal, silicon (Si) and oxygen (O),
 - (C2) a layer consisting of SiOz, and
 - (D2) a layer of a material having a high index of refraction, especially TiO_2 , wherein $0.70 \le z \le 2.0$, especially $1.10 \le z \le 2.0$, more especially $1.40 \le z \le 2.0$.
- The pigment according to any of claims 1 to 5, wherein the metal is selected from Ag, Al, Cu, Cr, Mo, Ni, Ti, or alloys thereof, especially aluminum.

- 7. The pigment according to claim 3 having the following layer structure: TiO₂/SiO₂/core/SiO₂/TiO₂, wherein the core is formed of a layer (B) or of a layer (B)/layer (A)/layer (B), wherein the layer (B) is present on the plane-parallel faces, but not the side faces of layer (A), wherein the SiO₂ layer is only present on the plane-parallel faces, but not the side faces and the TiO₂ layer is applied to the whole surface; SiC/SiO₂/core/SiO₂/SiC, or C/SiO₂/core/SiO₂/C, wherein 0.70 ≤ z ≤ 2.0, especially 1.10 ≤ z ≤ 2.0, more especially 1.40 ≤ z ≤ 2.0.
- A pigment, obtainable by calcination of plane-parallel structures (flakes), comprising (A) at least one layer consisting of a metal and (C) at least one layer consisting of SiO_z with $0.70 \le z \le 2.0$, especially $1.1 \le z \le 2.0$, in a non-oxidizing atmosphere and optionally coating of the obtained flakes with further layers.
- 9. Plane-parallel structures, comprising (A) a layer consisting of a metal, especially aluminum, and (C) at least one layer consisting of SiO_z , wherein $0.70 \le z \le 2.0$, especially $1.10 \le z \le 2.0$, more especially $1.40 \le z \le 2.0$.
- Use of the pigment according to any of claims 1 to 8 in ink-jet printing, for dyeing
 textiles, for pigmenting coatings, paints, printing inks, plastics, cosmetics, glazes for ceramics and glass.
 - 11. Composition, comprising a pigment according to any of claims 1 to 8.
- 25 12. Cosmetic preparation, paint, printing ink, or coating, comprising a pigment according to any of claims 1 to 8.